



Figure 18. Composite CHIRP sub-bottom profiles with interpretations, from the large shore oblique sand feature offshore of the Myrtle Beach area. These profiles provide sub-bottom images of the feature along its long axis (left) and in a shore perpendicular transect across its thickest short axis (right). They illustrate the transparent nature of the seismic signature generated by surficial sediment lenses, as well as the underlying transgressive surface (T.S.). Vertical scales for sub-bottom profiles are provided in both milliseconds (Two-Way Travel Time) and approximate depth in meters (assuming a seismic velocity of 1500 m/s). Locations for lines H - H' (L58F4, L58F3, L58F2 and L58F1) and I - I' (L57F3, L57F4 and L57F5) are outlined in Figures 7 and 19.